

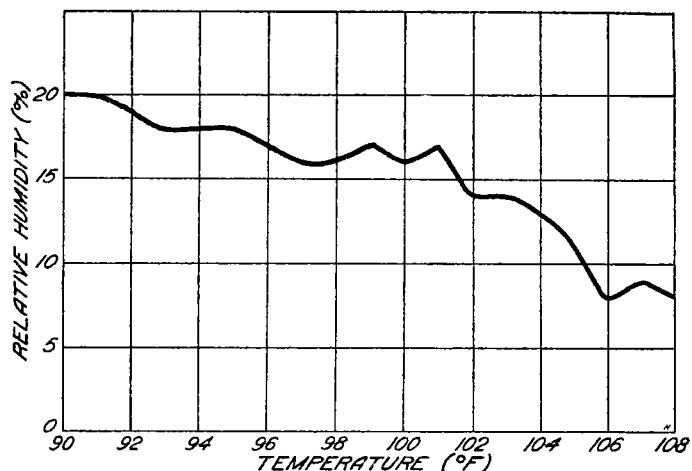
NOTES AND REVIEWS

Relative Humidity With High Summer Temperatures at Boise, Idaho, by GEORGE F. VON ESCHEN.—The relative humidity has always been one of the principal factors in human comfort, and during the past several years has become one of the important factors involved in air conditioning.

For the past 7 years a hygrograph has been exposed in the Weather Bureau instrument shelter on the roof of the Federal Building in Boise. Hourly relative humidity readings have been obtained in the same manner and with the same care as hourly temperature readings. A tabulation of the relative humidity for all hours having temperatures of 90° or higher was made. The results are indicated in the following table and graph.

TABLE 1.—Percent of relative humidity with temperatures of 90° or higher

Temperature (°F.)	Average percent of relative humidity					
	May	June	July	August	September	Season
90	12	22	22	19	17	20
91	17	20	21	19	17	20
92	10	20	20	18	17	19
93	16	20	20	16	16	18
94	10	20	19	16	16	18
95	10	17	19	15	12	18
96	19	18	15	15	17	
97	15	17	14	14	16	
98	15	18	13	—	16	
99	20	19	12	—	17	
100	14	17	13	—	16	
101	18	18	6	15	17	
102	17	15	9	—	14	
103	—	14	—	—	14	
104	—	16	12	—	13	
105	—	—	11	—	11	
106	—	—	8	—	8	
107	—	—	9	—	9	
108	—	—	8	—	8	
Average	12	20	19	17	16	18



In all, 1,742 hours were considered. As would be expected the humidity generally showed a decrease with increase in temperature and also at the same temperatures as the season progressed. The outstanding exception being the month of May, when unusually low humidities occurred with temperatures of 90° or higher. This condition is explained by the infrequency of the occurrence of these higher temperatures—only 20 hours with temperatures of 90° or higher having occurred during May in the past 7 years—and also by the conclusion that abnormal meteorological conditions must prevail to produce these high temperatures so early in the season. Had more data been available, undoubtedly a more uniform seasonal graph would have resulted. No smoothing of means or weighting of values was attempted.

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[RICHMOND T. ZOCH, in charge of Library]

By AMY P. LESHER

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